

FORM PTO-1449

U. S DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)



ATTY. DOCKET NO.

U 013614-4

SERIAL NO.

09/970,616

APPLICANT

Jerome Souuppe, et al

FILING DATE

GROUP

October 4, 2001

1761

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
KH	AA	6 2 6 5 0 0 0	7/2001	Shimamura, et al	426	16	
	AB						
	AC						
	AD						
	AE						
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	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

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DATE CONSIDERED

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
		U 013614-4	10/04/01 USPTO 10/04/01
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT	
(Use several sheets if necessary)		SOUOPPE, Jerome et al.	
		FILING DATE	GROUP
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REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS												
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
KH		AA	5	4	8	7	9	8	9	01/1996	Fowker et al.	435	165	
Y		AB	3	7	1	6	3	6	5	02/1973	Walmsley et al.	99	51	
		AC	5	8	6	6	5	2	6	2/1999	Olsen et al	510	392	
		AD												
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
KH		AL	2	7	5	7	0	4		01/1990	DD			X
		AM	0	4	4	9	3	7	6	10/1991	EP			
		AN	9	6	2	9	4	1	6	09/1996	WO			
		AO	3	2	0	7	6	7	6	10/1982	DE			X
		AP	2	2	2	7	9	7	6	01/1974	DE			X

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

	AR	Jensen L.G. et al. "Transgenic barley expressing a protein-engineered, thermostable (1,3-1,4)-beta-glucanase during germination"
		Proc. Natl. Acad. Sci. USA, vol. 93 (April 1996), pp. 3487-3491
	AS	Pet, J. et al. "Production of Active Bacillus Licheniformis Alpha-Amylase in Tobacco and Its Application in Starch Liquefaction"
		Biotechnology, vol. 10 (March 1992), pp. 292-296.
	AT	Herbers, K. et al. "A Thermostable Xylanase from Clostridium thermocellum Expressed at High Levels in the Apoplast of Transgenic Tobacco Has No Detimental Effects and Is Easily Purified." Bio/Technology, vol. 13 (January 1995), pp.63-66.
EXAMINER	DATE CONSIDERED	6/24/98 9/02

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>KH</i>	AL	0	2	2	7	1	5	9	07/1987	EP			
	AM	9	6	0	6	9	3	5	03/1996	WO			
	AN	9	0	0	9	4	3	6	08/1990	WO			
	AO	0	4	7	9	3	5	9	04/1992	EP			
<i>✓</i>	AP	9	7	4	2	3	0	1	11/1997	WO			

## OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

<i>KH</i>	AR	Vickers, J. E. et al. "Assessment of <i>Bacillus licheniformis</i> $\alpha$ -Amylase as a Candidate Enzyme for Genetic Engineering of Malting Barley" <i>J. Inst. Brew.</i> , vol. 102 (March-April, 1996), pp. 75-78
	AS	Vickers, J.E. et al. "Thermostable Alpha-Amylase Cloned for Genetic Transformation of Barley" <i>Aust. Soc. Biochem Mol. Biol.</i> , vol. 26 (1994) COL-5-4
<i>✓</i>	AT	McElroy, D. et al. "What's Brewing in Barley Biotechnology?" <i>Bio/Technology</i> , vol 13 (March 1995) pp. 245-249.
EXAMINER	DATE CONSIDERED	<i>KH</i> for

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
<i>Kitt</i>	AL	1	4	4	2	4	0	2	07/1976	GB				
	AM													
	AN													
	AO													
	AP													

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EXAMINER DATE CONSIDERED *KD* 9/2

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